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January 16, 2005

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FAX COVER SHEET

To:	EXAMINER RAMNANDAN SINGH	From:	HAZIM ANSARI
Fax:	703-872-9306	Pages:	32 (INCLUDING COVER)
Phone:		Date:	1/16/2005
Re:	RESPONSE TO OFFICE ACTION	CC:	
<input type="checkbox"/> Urgent <input type="checkbox"/> For Review <input type="checkbox"/> Please Comment <input type="checkbox"/> Please Reply <input type="checkbox"/> Please Recycle			

Applicant	:	Usman et al
Application No.	:	10/038,367
Filed	:	October 19, 2001
Title	:	Method and System for Filtering A Signal and for Providing Echo Cancellation
Grp./Div.	:	2644
Examiner	:	Ramnandan Singh
Docket No.	:	0037203-5

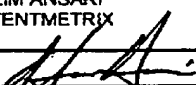
PTO/SB/21 (02-04)

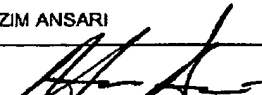
Approved for use through 07/31/2006. OMB 0651-0031

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/038,367
	Filing Date	October 19, 2001
	First Named Inventor	Mohammad Usman
	Art Unit	2644
	Examiner Name	Ramnandan Singh
Total Number of Pages in This Submission	Attorney Docket Number	0037203-5

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks APPLICANT IS SUBMITTING, VIA FACSIMILE, A RESPONSE TO AN OFFICE ACTION DATED JULY 16, 2004.		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	HAZIM ANSARI PATENTMETRIX	
Signature		
Date	1/16/05	

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Typed or printed name	HAZIM ANSARI	
Signature		Date 1/16/05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04v2)

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2005☒ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) \$1080**Complete if Known**

Application Number	10/038,367
Filing Date	OCTOBER 19, 2001
First Named Inventor	MOHAMMAD USMAN
Examiner Name	RAMNANDAN SINGH
Art Unit	2644
Attorney Docket No.	0037203-5

METHOD OF PAYMENT (check all that apply)☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____☐ Deposit Account Deposit Account Number: _____ Deposit Account Name: _____

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☐ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments
WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 (including Reissues)

Fee (\$)	Small Entity Fee (\$)
50	25
200	100
360	180

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
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- 20 or HP = _____ x _____ = _____

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
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- 3 or HP = _____ x _____ = _____

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
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- 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): EXTENSION OF TIME

Fees Paid (\$)

\$1,080

SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 40,896	Telephone 949-233-5172
Name (Print/Type)	HAZIM ANSARI		Date 1/16/05

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Usman et al
Application No. : 10/038,367
Filed : October 19, 2001
Title : Method and System for Filtering A
Signal and for Providing Echo
Cancellation
Grp./Div. : 2644
Examiner : Ramnandan Singh
Docket No. : 0037203-5

Mail Stop Amendments
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

QUARTICS
2 Peters Canyon
Irvine, CA 92606
January 12, 2005

Response to Office Action Dated July 16, 2004

In response to the Examiner's extensive office action dated July 16, 2004, applicant is providing a response that includes:

1. Specification amendments, including clean and marked-up versions;
2. Claim amendments;
3. Drawing amendments, including a replacement drawing sheet;
4. Remarks in support of the aforementioned amendments; and
5. A credit-card charge authorization to pay for a three-month extension fee.

To provide procedural support to its proposed amendments and submitted remarks, Applicant would like to draw the Examiner's attention to a revocation and power of attorney filed, by facsimile, on October 29, 2004 that withdraws the power of attorney from O'Melveny and Myers and appoints PatentMetrix, Customer No. 29484, as applicant's attorneys with full power to prosecute this application. Applicant further requests the Examiner to grant a three-month extension to the time to respond and, in support thereof, has provided a payment, embodied in a fee transmittal form and charge authorization form, sufficient to

01/18/2005 EKOLI1 00000002 10038367 1

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